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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	1
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C mplete if Known

Application Number	10/032,108
Filing Date	December 20, 2001
First Named Inventor	Timothy D. Osslund
Art Unit	1646
Examiner Name	Not Yet Assigned
Attorney Docket Number	01017/38834F

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
Mr	A33	5,597,562	01/28/1997	Nomura <i>et al.</i>	RECEIVED
SA	A34	6,555,660	04/29/2003	Nissen <i>et al.</i>	
					JUN 23 2003

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
	B36	NO 911786	08-30-1991	Boehringer Mannheim GmbH	
	B37	NO 914696	08-21-1991	Imperial Chemical Industries PLC	

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¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

[illegible]

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Examiner Signature	<i>N. J. W. R.</i>	Date Considered	5/12/04
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Modified Form PTO-1449 LIST OF REFERENCES CITED BY APPLICANT	Atty. Docket No.	A-231G	Serial No.
	Applicant	Osslund	
	Filing Date	December 20, 2001	Group 1646

NSD	A25	6,057,133	05/02/00	Searle			
	A26	6,060,047	05/09/00	Searle			
	A27	6,066,318	05/23/00	Searle			
	A28	6,074,639	06/13/00	Searle			
	A29	6,093,395	07/25/00	Searle			
	A30	6,100,070	08/08/00	Searle			
	A31	6,132,991	10/17/00	Searle			
✓	A32	6,153,183	11/28/00	Searle			

FOREIGN PATENT DOCUMENTS

		PATENT NUMBER	DATE	COUNTRY	CLASS	CLASS	TRANSLATION	YES	NO
NSD	B1	AU-A-10948	8/27/92						
NSD	B2	AU 0 697433	10/8/98						
NSD	B3	AU-A-76380	11/14/91						
	B4	EP 0 243 153	10/28/87						
	B5	EP 0 256 843	2/24/88						
	B6	EP 0 272 703	6/29/88						
	B7	EP 0 335 423	10/4/89						
	B8	EP 0 344 796	12/6/89						
	B9	EP 0 370205	9/28/89						
	B10	EP 0 456 200	11/13/91						
	B11	EP 0 459 630	12/4/91						
	B12	EP 0 473,268	3/4/92						
	B13	EP 0 490 584	6/17/92						
	B14	GB 2 213 821	8/23/89						
	B15	WO 85/00817	2/28/85						
✓	B16	WO 87/01132	2/26/87						

EXAMINER: <i>N. Marshall S. Ban</i>	Date Considered: <i>5/14/04</i>
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	Applicant	Osslund		
	Filing Date	December 20, 2001	Group	1646

N/S	B17	WO 88/01775	3/10/88						
	B18	WO 89/05824	6/29/89						
	B19	WO 90/12874	11/1/90						
	B20	WO 92/04455	3/19/92						
	B21	WO 93/25687	12/23/93						
	B22	WO 95/20976	08/10/95						
	B23	WO 95/20977	08/10/95						
	B24	WO 95/21197	9/22/99						
	B25	WO 95/21254	8/10/95						
	B26	WO 95/27732	10/19/95						
	B27	WO 96/23888	08/08/96						
	B28	WO 97/12977	4/10/97						
	B29	WO 97/12978	4/10/97						
	B30	WO 97/12985	4/10/97						
	B31	WO 98/17810	4/3/98						
	B32	WO 98/18923	5/7/98						
	B33	WO 98/18924	5/7/98						
	B34	WO 98/46750	10/22/98						
	B35	WO 00/18905	4/6/00						

EXAMINER'S
INITIALS**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

C1	Abdel-Meguid et al., PNAS-USA 84: 6434 (1987)
C2	Abrahmsen et al., Biochem. 30: 4151-4159 (1991)
C3	Afinsen et al., Physical principles of protein crystallization. In: Eisenberg (ed.), Advances in Protein Chemistry 41:1-33 (1991)
C4	Bazan, Immunology Today 11: 350-354 (1990)
C5	Bowie et al., Science 247: 1306-1310 (1990)

EXAMINER:

N. [Signature]

Date Considered:

5/14/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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LIST OF REFERENCES CITED BY APPLICANT	Applicant Osslund	
	Filing Date December 20, 2001	Group 1646

NSB	C6	Carter and Carter, J. Biol. Chem. <u>254</u> :12219-12223 (1979)
NID	C7	Carter et al., J. Cryst. Growth <u>90</u> : 60-73(1988)
NW	C8	Cox and Weber, J. Appl. Crystallogr. <u>20</u> : 366-373 (1987)
NR	C9	Cox et al., J. Cryst. Growth <u>90</u> : 318-324 (1988)
NW	C10	Creighton, <u>Proteins, Structures, & Molecular Principles</u> , WH Freeman & Co. New York 1984, p. 216
	C11	Cox and Weber Cryst. Growth <u>90</u> : 318-324(1988)
	C12	Cunningham and Wells, Science <u>244</u> : 1081-1084 (1989)
	C13	Dickerson et al., <u>The Structure and Action of Proteins</u> , Benjamin/Cummings Publ. Co., California (1969) p. 19
	C14	Diederichs et al., Science <u>254</u> : 1779-1782 (1991)
	C15	Feng et al., Biochemistry <u>38</u> (14): 4553-63 (1999)
	C16	Francis, Focus on Growth Factors <u>3</u> : 4-10 (May 1992)(published by Mediscript, Mountview Court, Friern Barnet Lane, London N20 OLD, UK)
IV	C17	Gabrilove, J. Seminars in Hematology <u>26</u> : (2) 1-14 (1989)
	C18	GenBank Report re G-CSF
N/A	C19	Hill et al., Proceedings of the National Acad. of Sciences of USA, <u>90</u> : 5167-5171 (1993)
	C20	Huse et al., Science <u>246</u> :1275 (1989)
	C21	Ishikawa et al., Cell Structure and Function, <u>17</u> : 61-65 (1992)
	C22	Jancarik and Kim, J. Appl. Crystallogr. <u>24</u> : 409 (1991)
	C23	Jones et al., Bailliere's Clinical Hematology <u>2</u> (1): 83-111 (1989)
	C24	Karplus, Protein Engineering, p. 35-44 (1987)
	C25	Kuga et al., Biochem. Biophys. Res. Comm <u>159</u> : 103-111 (1989)
	C26	Layton et al., Biochemistry <u>266</u> : 23815-23823 (1991)
	C27	Layton et al., J. of Cell. Biochem. Suppl. <u>17B</u> : 78 (1993)
	C28	Li, et al., JBC <u>268</u> (30) 22377-84 (1993)
	C29	Lieshke and Burgess, N.Engl.J.Med. <u>327</u> : 28-34 and 99-106 (1992)
	C30	Lonejay, et al., J.Mol.Biol. <u>234</u> : 640-53 (1993)
✓	C31	Lu et al., Arch. Biochem. Biophys. <u>268</u> : 81-92 (1989)

EXAMINER: <u>Norman S. Ben</u>	Date Considered: <u>5/14/04</u>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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	Filing Date December 20, 2001	Group 1646

NID	C32	McKay Science <u>257</u> : 1673-1677 (1992)
	C33	McWherter et al., Biochemistry <u>38</u> (14): 4564-71 (1999)
	C34	Moore et al., PNAS-USA <u>84</u> : 7134-7138 (1987)
	C35	Nagata et al., EMBO J <u>5</u> : 575-581 (1986)
	C36	Najahara, et al., J.Mol.Biol. <u>214</u> : 25-26 (1990)
	C37	Ngo et al., <u>The Protein Folding Problem and Tertiary Structure Prediction</u> , K.Merz and S.LeGrand, eds., Birkhauser, Boston 491-495 (1994)
	C38	Nicola, Annu. Rev. Biochem. <u>58</u> : 45-77 (1989)
	C39	Nicola, et al., Blood <u>54</u> : 614-27 (1979)
	C40	Olson et al., Pour La Science, <u>183</u> : 76-82 (1993)
	C41	Osslund et al., Dissertation Abstracts International B., <u>54</u> : 1239 (1993)
	C42	Pandit et al., Science, <u>258</u> : 1358-1362 (1992)
	C43	Parry et al., J. Molecular Recognition <u>8</u> : 107-110 (1988)
	C44	Powers et al., Science <u>256</u> : 1673-1677 (1992)
	C45	Rastetter, Trends in Biotechnology, <u>1</u> (3) 80-84 (1983)
	C46	Remington's Pharmaceutical Sciences, 18th Ed. (1990, Mack Publishing Co., Easton, Pennsylvania 18042) Pages 1435-1712
	C47	Schulz et al., <u>Principles of Protein Structure</u> , Sprinler-Verlag, New York, pp.14-16 (1979)
	C48	Senda et al., EMBO J. <u>11</u> : 3193-3201 (1992)
	C49	Smith et al., J. Mol. Biol. <u>224</u> : 899-904 (1992)
	C50	Souza et al., Science <u>232</u> : 61-65 (1986)
	C51	Stryer, Biochemistry, 3d Ed., W.H. Freeman and Company, N.Y. 1988, inside back cover)
	C52	Vos et al., Science <u>255</u> : 305-312 (1992)
	C53	Weber, J.Appl.Crystallogr. <u>20</u> : 366-373 (1987)
	C54	Weber et al., In: Eisenberg (ed.), Advances in Protein Chemistry <u>41</u> : 1-33 (1991)
	C55	Well et al., Biochemistry 8509-8579 (1990)
	C56	Welte et al., PNAS-USA <u>82</u> : 1526-1530 (1985)
✓	C57	White et al., <u>Principles of Biochemistry</u> , vol. 6, McGraw-Hill, Inc. (1978) pp. 156-158

EXAMINER:

N. Smith & Ba

Date Considered:

5/14/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.